

RAW SEQUENCE LISTING

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Application Serial Number: 10/553,105
Source: PCT
Date Processed by STIC: 10/25/2005

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PCT

RAW SEQUENCE LISTING

DATE: 10/25/2005

PATENT APPLICATION: US/10/553,105

TIME: 10:10:25

Input Set : A:\Sequence Listing for A0848.70011US00.txt

Output Set: N:\CRF4\10252005\J553105.raw

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3 <110> APPLICANT: LAEREMANS, Toon
4   VAN BERGEN EN HENEGOUWEN, Paul P.M.P.
6 <120> TITLE OF INVENTION: CAMELIDAE SINGLE DOMAIN ANTIBODIES VHH DIRECTED AGAINST
EPIDERMAL
7   GROWTH FACTOR RECEPTOR AND USES THEREFOR
9 <130> FILE REFERENCE: A0848.70011US00
C--> 11 <140> CURRENT APPLICATION NUMBER: US/10/553,105
C--> 12 <141> CURRENT FILING DATE: 2005-10-12
14 <160> NUMBER OF SEQ ID NOS: 75
16 <170> SOFTWARE: PatentIn version 3.3
18 <210> SEQ ID NO: 1
19 <211> LENGTH: 127
20 <212> TYPE: PRT
21 <213> ORGANISM: Lama glama
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26 1           5           10           15
29 Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Arg Thr Phe Ser Asn Tyr
30           20           25           30
33 Val Met Gly Trp Phe Arg Gln Ala Pro Gly Lys Glu Arg Asp Phe Val
34           35           40           45
37 Val Gly Ile Gly Arg Ser Gly Gly Asp Asn Thr Tyr Tyr Ala Asp Ser
38           50           55           60
41 Val Lys Gly Arg Phe Thr Ile Ser Trp Asp Asn Ala Lys Asn Thr Met
42 65           70           75           80
45 Tyr Leu Gln Met Asn Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr
46           85           90           95
49 Cys Ala Ala Ser Thr Tyr Ser Arg Asp Thr Ile Phe Thr Lys Trp Ala
50           100          105          110
53 Asn Tyr Asn Tyr Trp Gly Gln Gly Thr Gln Val Thr Val Ser Ser
54           115          120          125
57 <210> SEQ ID NO: 2
58 <211> LENGTH: 127
59 <212> TYPE: PRT
60 <213> ORGANISM: Lama glama
62 <400> SEQUENCE: 2
64 Gln Val Gln Leu Gln Glu Ser Gly Gly Gly Leu Val Lys Ala Gly Gly
65 1           5           10           15
68 Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Arg Thr Phe Ser Ser Tyr
69           20           25           30
72 Val Met Gly Trp Phe Arg Gln Ala Pro Gly Lys Glu Arg Glu Phe Val
73           35           40           45
76 Gly Ala Ile His Trp Ser Gly Gly Arg Thr Tyr Tyr Ala Asp Ser Val
77           50           55           60

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80 Lys Gly Arg Phe Thr Ile Ser Ser Asp Asn Ala Lys Asn Thr Leu Tyr
81 65              70              75              80
84 Leu Gln Met Asn Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr Cys
85              85              90              95
88 Ala Ala Ser Arg Ile Ile Tyr Ser Tyr Val Asn Tyr Val Asn Pro Gly
89              100              105              110
92 Glu Tyr Asp Tyr Trp Gly Gln Gly Thr Gln Val Thr Val Ser Ser
93      115              120              125
96 <210> SEQ ID NO: 3
97 <211> LENGTH: 122
98 <212> TYPE: PRT
99 <213> ORGANISM: Lama glama
101 <400> SEQUENCE: 3
103 Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
104 1              5              10              15
107 Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser His
108              20              25              30
111 Tyr Met Ser Trp Phe Arg Gln Ala Pro Gly Lys Glu Arg Glu Phe Val
112              35              40              45
115 Ala Ala Ile Thr Ser Ser Ser Arg Thr Tyr Tyr Thr Glu Ser Val Lys
116      50              55              60
119 Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Val Tyr Leu
120 65              70              75              80
123 Gln Met Asn Ser Leu Lys Ser Glu Asp Thr Ala Val Tyr Tyr Cys Ala
124              85              90              95
127 Ala Asp Arg Thr Phe Tyr Gly Ser Thr Trp Ser Lys Tyr Asp Tyr Arg
128              100              105              110
131 Gly Gln Gly Thr Gln Val Thr Val Ser Ser
132      115              120
135 <210> SEQ ID NO: 4
136 <211> LENGTH: 129
137 <212> TYPE: PRT
138 <213> ORGANISM: Lama glama
140 <400> SEQUENCE: 4
142 Gln Val Gln Leu Gln Glu Ser Gly Gly Gly Leu Val Gln Ala Gly Gly
143 1              5              10              15
146 Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Arg Thr Phe Ser Lys Tyr
147              20              25              30
150 Ala Met Gly Trp Phe Arg Gln Ala Pro Gly Lys Glu Arg Glu Phe Val
151              35              40              45
154 Ser Ala Ile Ser Trp Ser Asp Gly Ser Thr Tyr Tyr Ala Asp Ser Val
155      50              55              60
158 Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Val Tyr
159 65              70              75              80
162 Leu Gln Val Asn Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr Cys
163              85              90              95
166 Ala Ala Thr Tyr Leu Val Asp Val Trp Ala Val His Val Pro Ile Arg
167              100              105              110
170 Pro Tyr Glu Tyr Asp Tyr Trp Gly Gln Gly Thr Gln Val Thr Val Ser

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171          115          120          125
174 Ser
178 <210> SEQ ID NO: 5
179 <211> LENGTH: 125
180 <212> TYPE: PRT
181 <213> ORGANISM: Lama glama
183 <400> SEQUENCE: 5
185 Gln Val Gln Leu Gln Asp Ser Gly Gly Gly Leu Val Gln Ala Gly Asp
186 1          5          10          15
189 Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Arg Ser Phe Gly Gly Tyr
190          20          25          30
193 Ala Met Gly Trp Phe Arg Gln Ala Pro Gly Lys Glu Arg Glu Phe Val
194          35          40          45
197 Ala Ala Ile Ser Trp Ser Gly Gly Ser Thr Tyr Tyr Ala Asp Ser Leu
198          50          55          60
201 Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Val Tyr
202 65          70          75          80
205 Leu Gln Met Asn Ser Leu Lys Pro Glu Asp Thr Ala Leu Tyr Tyr Cys
206          85          90          95
209 Ala Ala Gly Leu Arg Pro Ser Pro Asn Tyr Asn His Glu Arg Ser Tyr
210          100         105         110
213 Asp Tyr Trp Gly Gln Gly Thr Gln Val Thr Val Ser Ser
214          115         120         125
217 <210> SEQ ID NO: 6
218 <211> LENGTH: 129
219 <212> TYPE: PRT
220 <213> ORGANISM: Lama glama
222 <400> SEQUENCE: 6
224 Gln Val Gln Leu Gln Glu Ser Gly Gly Gly Leu Val Gln Ala Gly Gly
225 1          5          10          15
228 Ser Leu Leu Leu Ser Cys Ala Ala Ser Gly Arg Thr Phe Ser Ser Tyr
229          20          25          30
232 Ala Met Gly Trp Phe Arg Gln Ala Pro Gly Lys Glu Arg Glu Phe Val
233          35          40          45
236 Ala Ala Ile Asn Trp Ser Gly Gly Ser Thr Ser Tyr Ala Asp Ser Val
237          50          55          60
240 Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Thr Lys Asn Thr Val Tyr
241 65          70          75          80
244 Leu Gln Met Asn Ser Leu Lys Pro Glu Asp Thr Ala Ala Phe Tyr Cys
245          85          90          95
248 Ala Ala Thr Tyr Asn Pro Tyr Ser Arg Asp His Tyr Phe Pro Arg Met
249          100         105         110
252 Thr Thr Glu Tyr Asp Tyr Trp Gly Gln Gly Thr Gln Val Thr Val Ser
253          115         120         125
256 Ser
260 <210> SEQ ID NO: 7
261 <211> LENGTH: 122
262 <212> TYPE: PRT
263 <213> ORGANISM: Lama glama

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265 <400> SEQUENCE: 7

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267 Gln Val Gln Leu Gln Glu Ser Gly Gly Arg Leu Val Gln Thr Gly Gly
268 1          5          10          15
271 Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Gly Thr Phe Gly Thr Tyr
272          20          25          30
275 Ala Leu Gly Trp Phe Arg Gln Ala Pro Gly Lys Glu Arg Glu Phe Val
276          35          40          45
279 Ala Ala Ile Ser Arg Phe Gly Ser Thr Tyr Tyr Ala Asp Ser Val Lys
280          50          55          60
283 Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Asn Asn Thr Val Tyr Leu
284 65          70          75          80
287 Glu Met Asn Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr Cys Ala
288          85          90          95
291 Ala Arg Glu Gly Val Ala Leu Gly Leu Arg Asn Asp Ala Asn Tyr Trp
292          100         105         110
295 Gly Gln Gly Thr Gln Val Thr Val Ser Ser
296          115         120

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299 <210> SEQ ID NO: 8

300 <211> LENGTH: 121

301 <212> TYPE: PRT

302 <213> ORGANISM: Lama glama

304 <400> SEQUENCE: 8

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306 Gln Val Gln Leu Gln Asp Ser Gly Gly Gly Leu Val Gln Ala Gly Gly
307 1          5          10          15
310 Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Gly Thr Phe Ser Ser Tyr
311          20          25          30
314 Ala Met Gly Trp Phe Arg Gln Ala Pro Gly Lys Glu Arg Glu Phe Val
315          35          40          45
318 Ala Ala Ile Gly Leu Asn Thr Tyr Tyr Ala Asp Ser Val Lys Gly Arg
319          50          55          60
322 Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Val Tyr Leu Gln Met
323 65          70          75          80
326 Asn Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr Cys Ala Ala Arg
327          85          90          95
330 Thr Ser Gly Val Val Gly Gly Thr Pro Lys Arg Tyr Asp Tyr Trp Gly
331          100         105         110
334 Gln Gly Thr Gln Val Thr Val Ser Ser
335          115         120

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338 <210> SEQ ID NO: 9

339 <211> LENGTH: 122

340 <212> TYPE: PRT

341 <213> ORGANISM: Lama glama

343 <400> SEQUENCE: 9

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345 Gln Val Gln Leu Gln Glu Ser Gly Gly Gly Ser Val Gln Ala Gly Gly
346 1          5          10          15
349 Ser Leu Lys Leu Ser Cys Ala Ala Ser Gly Arg Gly Phe Ser Arg Tyr
350          20          25          30
353 Ala Met Gly Trp Phe Arg Gln Ala Pro Gly Gln Asp Arg Glu Phe Val
354          35          40          45

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Input Set : A:\Sequence Listing for A0848.70011US00.txt

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357 Ala Thr Ile Ser Trp Thr Asn Ser Thr Asp Tyr Ala Asp Ser Val Lys
358      50                      55                      60
361 Gly Arg Phe Ala Ile Ser Arg Asp Asn Ala Lys Asn Thr Ala Tyr Leu
362 65                      70                      75                      80
365 Gln Met Asn Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr Cys Ala
366                      85                      90                      95
369 Ala Asp Lys Trp Ala Ser Ser Thr Arg Ser Ile Asp Tyr Asp Tyr Trp
370                      100                      105                      110
373 Gly Gln Gly Ile Gln Val Thr Val Ser Ser
374      115                      120
377 <210> SEQ ID NO: 10
378 <211> LENGTH: 123
379 <212> TYPE: PRT
380 <213> ORGANISM: Lama glama
382 <400> SEQUENCE: 10
384 Gln Val Gln Leu Gln Glu Ser Gly Gly Gly Leu Val Gln Ala Gly Gly
385 1      5                      10                      15
388 Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Arg Thr Phe Ser Asn Tyr
389      20                      25                      30
392 Ala Met Gly Trp Phe Arg Gln Ala Pro Gly Lys Glu Arg Glu Phe Val
393      35                      40                      45
396 Ala Ala Ile Asn Trp Gly Gly Gly Asn Thr Tyr Tyr Ala Asp Ser Val
397      50                      55                      60
400 Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Val Tyr
401 65                      70                      75                      80
404 Leu Gln Met Asn Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr Cys
405      85                      90                      95
408 Ala Ala Ser Glu Trp Gly Gly Ser Asp Tyr Asp His Asp Tyr Asp Tyr
409      100                      105                      110
412 Trp Gly Gln Gly Thr Gln Val Thr Val Ser Ser
413      115                      120
416 <210> SEQ ID NO: 11
417 <211> LENGTH: 123
418 <212> TYPE: PRT
419 <213> ORGANISM: Lama glama
421 <400> SEQUENCE: 11
423 Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Ala Gly Gly
424 1      5                      10                      15
427 Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Arg Ser Phe Ser Ser Tyr
428      20                      25                      30
431 Ala Met Ala Trp Phe Arg Gln Ala Pro Gly Lys Glu Arg Glu Phe Val
432      35                      40                      45
435 Ala Ala Ile Ser Trp Gly Gly Gly Ser Thr Tyr Tyr Ala Val Ser Val
436      50                      55                      60
439 Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Val Tyr
440 65                      70                      75                      80
443 Leu Gln Met Asn Ser Leu Lys Pro Glu Asp Thr Ala Arg Tyr Tyr Cys
444      85                      90                      95
447 Ala Ala Asp Glu Thr Phe His Ser Ser Ala Tyr Gly Glu Tyr Glu Tyr

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VERIFICATION SUMMARY

DATE: 10/25/2005

PATENT APPLICATION: US/10/553,105

TIME: 10:10:26

Input Set : A:\Sequence Listing for A0848.70011US00.txt

Output Set: N:\CRF4\10252005\J553105.raw

L:11 M:270 C: Current Application Number differs, Replaced Current Application Number

L:12 M:271 C: Current Filing Date differs, Replaced Current Filing Date